

### UTILITY DATA

ALL PIPE LENGTHS ARE APPROXIMATED AND FOR REFERENCE ONLY

#### SANITARY SEWER

- 1 6" SANITARY STUB-OUT FROM BUILDING @ INV = 66.5
- 2 3 LF - 6" PVC @ 1.0% (TYP.)
- 3 C.O. TOP = 68.25 INV. = 66.47 (TYP.)
- 4 72 LF - 6" PVC @ 1.0%
- 5 1050 GALLON MULTI-CHAMBER SEPTIC TANK TOP = 68.00 INV IN = 65.75 INV OUT = 65.65
- 5A NOT USED
- 6 5 LF SCH 40 6" PVC PIPE @ 1.0%
- 7 C.O. TOP = 67.70 INV. = 65.60
- 8 40 LF SCH 40 6" PVC PIPE @ 1.0%
- 9 4' x 4' CONCRETE DISTRIBUTION BOX TOP = 67.75 INV IN = 65.20 INV OUT = 65.10
- 10 1 LF SCH 40 4" PVC PIPE @ 1.0%
- 11 20 LF SCH 40 4" PVC PIPE @ 0.0%
- 12 (5) 50 LF LONG @ 5' O.C. PERFORATED SCH 40 4" PVC LATERALS @ 0.20%

#### SEPTIC SYSTEM NOTES:

PLACE THE PIPE WITH PERFORATIONS AT 5 O'CLOCK AND 7 O'CLOCK POSITIONS  
SEPTIC DRAIN DRAINFIELD GRAVEL SPECIFICATIONS:  
WASHED GRAVEL 3/4" TO 1 1/2"

#### DOMESTIC

- 13 APPROXIMATELY 142 LF - 1" POLYETHYLENE DOMESTIC WATER SERVICE (TYP.)
- 14 1" VALVE, 1" METER AND 1" RPZ BACKFLOW PREVENTER.
- 15 CONNECT TO EXISTING 8" WATERMAIN 8" x 2" STAINLESS STEEL TAPPING VALVE AND SLEEVE.
- 16 2" x 2" x 1" TEE W/1-1/4" REDUCER FOR IRRIGATION SERVICE

#### IRRIGATION

- 17 1" VALVE, 1" METER, AND 1" RPZ BACKFLOW PREVENTER.
- 18 1-1/4" POLYETHYLENE IRRIGATION SERVICE LINE

#### PHONE

- 19 CONTRACTOR SHALL COORDINATE CONDUIT SIZE, CONNECTION POINT AND SERVICE SIZE WITH TELEPHONE SERVICE PROVIDER PRIOR TO CONSTRUCTION

#### ELECTRIC

- 20 CONTRACTOR SHALL COORDINATE CONNECTION POINT, SERVICE SIZE AND TRANSFORMER PAD CONSTRUCTION AND LOCATION, AND CONSTRUCTION OF TRANSFORMER PAD WITH ELECTRIC SERVICE PROVIDER PRIOR TO CONSTRUCTION. CONTRACTOR TO INCLUDE ANY AND ALL ASSOCIATED COST IN ORIGINAL CONSTRUCTION BUDGET FOR INSTALLATION OF PRIMARY AND SECONDARY EMPTY CONDUITS AND WIRES AS REQUIRED BY ELECTRICAL UTILITY PROVIDER.

#### SUPPLEMENTARY NOTES:

CONTRACTOR TO MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATERMAIN AND SANITARY SEWER MAIN.  
CONTRACTOR TO BEGIN SANITARY INSTALLATION AT POINT OF CONNECTION.  
CONTRACTOR MUST CONTACT ENGINEER IMMEDIATELY IF ANY DISCREPANCIES EXIST.

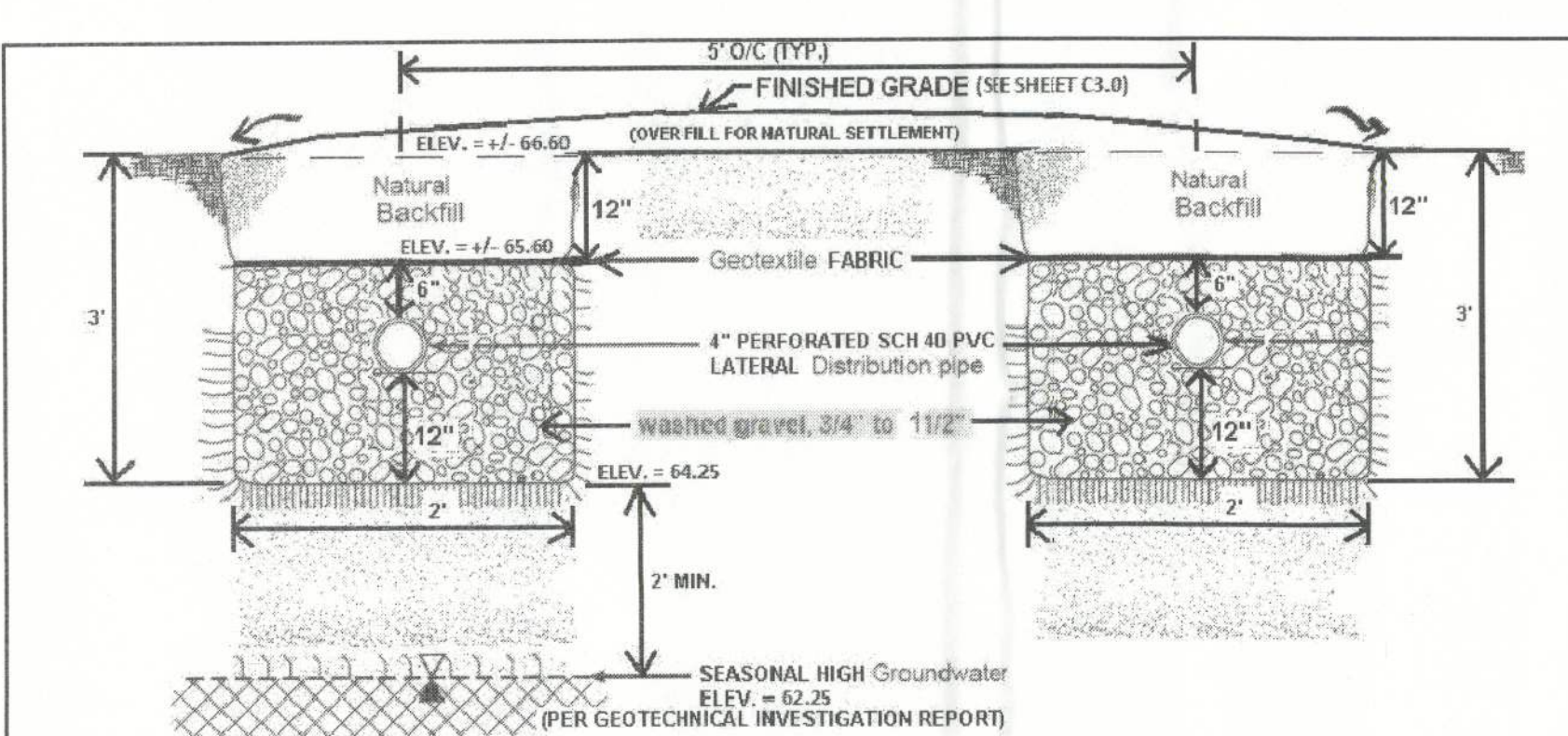
### FDEP NOTES

Minimum vertical and horizontal separation between potable water and sanitary sewer mains to comply with Rules 62-604.400(2)(g) - (i), F.A.C. and 62-604.400 (3), F.A.C. as noted below.

New or relocated, underground water mains shall be laid to provide a horizontal distance of at least six feet, and preferably ten feet, between the outside of the water main and the outside of any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C. The minimum horizontal separation distance between water mains and gravity-type sanitary sewers shall be reduced to three feet where the bottom of the water main is laid at least six inches above the top of the sewer. New or relocated, underground water mains crossing any existing or proposed gravity- or vacuum-type sanitary sewer shall be laid so the outside of the water main is at least six inches, and preferably 12 inches, above or at least 12 inches below the outside of the other pipeline. However, it is preferable to lay the water main above the other pipeline. New or relocated, underground water mains crossing any existing or proposed pressure-type sanitary sewer, wastewater or stormwater force main, or pipeline conveying reclaimed water shall be laid so the outside of the water main is at least 12 inches above or below the outside of the other pipeline. However, it is preferable to lay the water main above the other pipeline.

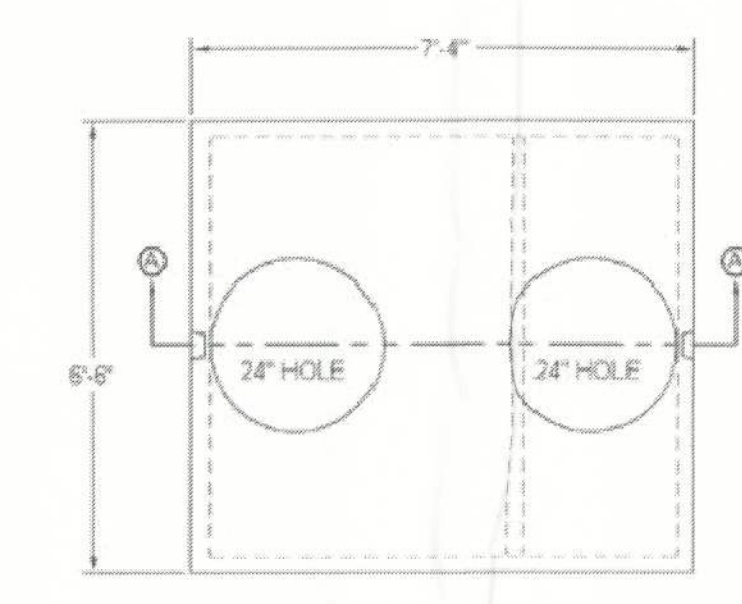
At the utility crossings described above, one full length of water main pipe shall be centered above or below the other pipeline so the water main joints will be as far as possible from the other pipeline. Alternatively, at such crossings, the pipes shall be arranged so that all water main joints are at least three feet from all joints in vacuum-type sanitary sewers, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., and at least six feet from all joints in gravity- or pressure-type sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water not regulated under part III of Chapter 62-610, F.A.C.

CALL 48 HOURS BEFORE YOU DIG  
**It's the Law!**  
1-800-432-4770  
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

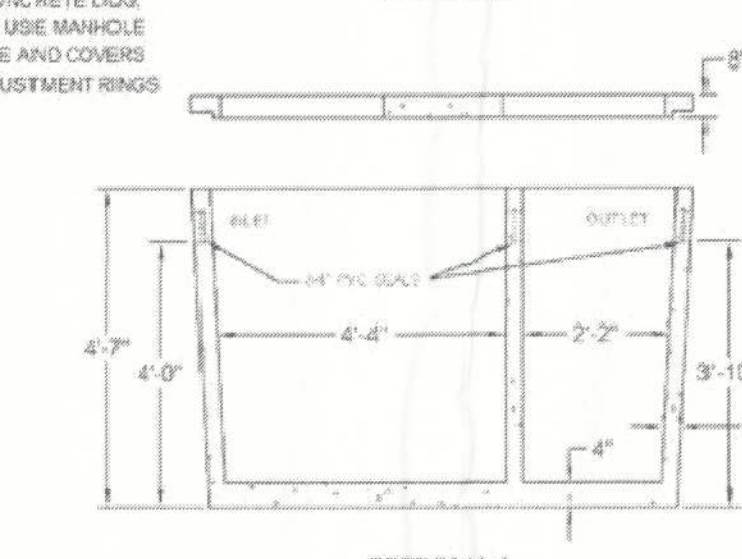


### SEPTIC DRAINFIELD DETAIL

NTS



PLAN VIEW



SECTION A-A

1. OVERALL HEIGHT 52"  
2. WEIGHT: TANK 7000 LBS.  
COVER 4100 LBS.

### 1050 GALLON MULTI-CHAMBER SEPTIC TANK

NTS

### 2 SEPTIC DRAINFIELD DETAIL

NTS

**Stephens Barrios**  
Real Brokerage Development Civil Engineering

By: \_\_\_\_\_

Revision/Issue: \_\_\_\_\_

Date: \_\_\_\_\_

No: \_\_\_\_\_

SEAL

**Barrios Engineering, LLC**  
C.A. #26106  
855 13MA AVE  
ORLANDO, FL 32803  
407-208-2610

**Parkland Engineering Group**

**FAMILY DOLLAR**

7270-7350 S.W. U.S. HWY. 27  
FT. WHITE, FLORIDA

UTILITY PLAN

Date	11/18/11	Sheet
Project #	11-014	C2.0